

Claims:

1 18. (Renumbered and withdrawn) A process for purifying contaminated
2 liquid comprising:

3 rotating at least a pair of first and second concentric shells about a
4 common axis of rotation, each shell having an input and an output end and
5 an inner surface facing the axis of rotation and an outer surface facing
6 away from the axis of rotation; the shells being under vacuum;

7 injecting contaminated liquid at the inlet end of the first shell; the
8 contaminated liquid boiling along a the inside surface of the first shell to
9 create a purified vapor and a remaining liquid containing contaminants;

10 applying a pressure to the purified vapor to raise the pressure of the
11 purified vapor and direct the vapor to the inlet end of the second shell, the
12 purified vapor condensing as purified liquid along the outer surface of the
13 first shell, centrifugal force projecting the purified liquid against the inner
14 surface of the second shell; and

15 collecting the purified liquid from the output end of the second shell
16 and collecting the remaining liquid from the output end of the second shell.

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